Company Information

Annual Report 2005



Production Sector

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Annual Report Summary

Please mark the Best Management Practices your company implemented and submit a report page for only those practices

		BMP 1: Identify and replace high-bleed pneumatic devices BMP 2: Install flash tank separators on glycol dehydrators BMP 3: Partner Reported Opportunities (<i>Please specify</i>) Two facility shutdowns and			
Period covered by report:	From:	1-1-05		12-31-05	
Signature:			D	Date: 3-30-06	

^{*} In addition to reporting methane emissions reductions, you are welcome to include other information about your company's participation in Natural Gas STAR in the "Additional Program Accomplishments" section of this form. The Natural Gas STAR Program will use any information entered in this section to recognize the efforts and accomplishments of outstanding partners.



BMP 1: Identify and Replace High-Bleed Pneumatic Devices

	Current Year Activities						
A. Facility summary: Number of devices replaced: dev		devices	Estimated cost	ost summary: ated cost per replacement			
Percent of low/no-blee	system now equipped with ed units:	%	(including equip	oment and labor):	\$	/replacement	
C. Metha	ane emissions reduction	: Mcf					
Ple	ease identify the basis for the	emissions reduction e	estimate, using th	e space provided to	show any ca	lculations	
☐ Stand	lard calculation						
= [A - An	hane emissions reduction nnual emissions from high-bleed nual emissions for the replacem umber of devices replaced		(in Mcf/yr)				
Plea.	se specify your data source: Field measurement Manufacturer specifications	;					
☐ Calcu	lation using default						
	ane emissions reduction 4 Mcf/yr x Number of devices rep	placed					
Other	(Please specify)						
Total va = Metha	D. Total value of gas saved: Total value of gas saved = Methane emissions reduction (in Mcf) x Gas value (in \$/Mcf) [If not known, use default of \$3.00/Mcf] E. How many high-bleed devices do you plan to replace next year? devices						
		Previous Y	ears' Activi	ties			
Use the	table below to report any pas	st activities implemente	ed, but <u>not previc</u>	ously reported to the l	Natural Gas S	STAR Program	
Year	# Devices Replaced	Total Cost of Rep (incl. equipment a		Estimated Reduction (Mcf/yr)	ctions	Value of Gas Saved (\$)	

BMP 1 Comments: Please use the back of the page for additional space if needed.



BMP 2: Install Flash Tank Separators on Glycol Dehydrators

Current Year Activities						
A. Facility summary: Number of flash tank separators installed: Percent of dehydrators in system equipped with flash tank separators:	separators	B. Cost summary: Estimated cost per flash tank separator installation (including equipment and labor): \$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$				
C. Methane emissions reduction:	Mcf					
Please identify the basis for the e	missions reduction e	stimate, using the space provided to show any calculations				
Standard calculation Methane emissions reduction per flash tank installation = [TEG circulation rate (in gal/hr) x Methane entrainment rate (in scf/gal) x hours of operation (in hrs/yr) x 0.90] / 1,000 Please specify your data source:	*If methane entrainme is not known, use a de value of 3 scf/gal for e exchange pumps or 1 for electric pumps	fault nergy				
☐ Calculation using default						
Methane emissions reduction = [Average gas throughput (in MMcf/yr) x 170 scf/MMcf x 0.90] / 1,000						
Other (Please specify)						
D. Total value of gas saved: Total value of gas saved = Methane emissions reduction (in Mcf) x Gas value (in \$/Mcf) [If not known, use	\$default of \$3.00/Mcfl	E. How many flash tank separators do you plan to install next year? flash tanks				
, , , , , , , , , , , , , , , , , , , ,	Previous Years' Activities					

Use the table below to report any past activities implemented, but not previously reported to the Natural Gas STAR Program

Year	# Flash Tank Separators Installed	Total Cost of Installation (incl. equipment and labor) (\$)	Estimated Reductions (Mcf/yr)	Value of Gas Saved (\$)



BMP 3: Partner Reported Opportunities (PROs) (For more details on PROs, visit www.epa.gov/gasstar/pro/index.htm)

Current Year Activities						
A. Activity description: Please provide a separate PRO re	porting form for <u>each</u> activity reported					
Check one of the following: Install vapor recovery units (VRUs) Install flares Install electronic safety devices Install instrument air systems X Eliminate unnecessary equipment and/or systems X Other (Please specify): fuel efficiency project	Please describe how your company implemented this practice/activity: Shut down two facilities and implemented a fuel efficiency project.					
B. Level of Implementation (check one): Number of units installed: Frequency of practice: units times/year	C. Are these emissions reductions (check one): Continuing/ongoing X One-time					
D. Methane emissions reduction: $ \begin{array}{c} \underline{1288} \\ (\text{fuel} \\ (\text{assume}) \\ \text{project}) \\ +157131 \\ (\text{facility}) \\ \text{shutdow} \\ \text{ns}) = \\ \underline{158419} \\ \text{Mcf} \\ \text{reduced} \\ \end{array} $	E. Cost summary: Estimated cost of implementing this practice/activity (including equipment and labor): \$					
Please identify the basis for the emissions reduction estin	nate, using the space provided to show any calculations					
Actual field measurement						
Calculation using manufacturer specifications/other source						
X Other (Please specify) Engineering calculations	X Other (Please specify) Engineering calculations					
F. Total value of gas saved: \$ 475,257.00 Total value of gas saved = Methane emissions reduction (in Mcf) x Gas value (in \$/Mcf) [If not known, use default of \$3.00/Mcf]	G. To what extent do you expect to implement this practice next year?					
Previous Years' Activities						

Use the table below to report any past implementation of this PRO, but not previously reported to Natural Gas STAR

Year	Frequency of Practice/Activity or # of Installations	Total Cost of Practice/Activity (incl. equipment and labor) (\$)	Estimated Reductions (Mcf/yr)	Value of Gas Saved (\$)



<u>BMP 3 Comments/Additional Benefits:</u> Please describe any additional economic, operational, environmental, or safety benefits achieved by implementing this practice/activity. Use the back of the page for additional space if needed.



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Current Year Activities

A. Activi	ty description: Please p	rovide a separate PRO re _l	oorting forn	n for <u>each</u> activity reported	
In In In In El	of the following: stall vapor recovery units (V stall flares stall electronic safety device stall instrument air systems iminate unnecessary equipr ther (Please specify):	es	Please describe how your company implemented this practice/activity:		
B. Level of Implementation (check one): Number of units installed: Frequency of practice: units times/year			☐ Cor	nese emissions reductions ntinuing/ongoing e-time	s (check one):
D. Methane emissions reduction: Mcf					
Ple	ease identify the basis for the	e emissions reduction estim	ate, using th	ne space provided to show any	y calculations
☐ Actua	field measurement				
☐ Calcu	lation using manufacturer sp	pecifications/other source			
☐ Other	(Please specify)				
Total va = Metha	F. Total value of gas saved: Total value of gas saved = Methane emissions reduction (in Mcf) x Gas value (in \$/Mcf) [If not known, use default of \$3.00/Mcf] G. To what extent do you expect to implement this practice next year?				o implement this
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☐ N	of Implementation (checumber of units installed: requency of practice:	ck one): units times/year	☐ Cor	nese emissions reductions natinuing/ongoing e-time	s (check one):
D. Metha	D. Methane emissions reduction: Mcf				
Ple	ease identify the basis for the	e emissions reduction estim	ate, using th	ne space provided to show any	/ calculations
☐ Actua	I field measurement				
☐ Calcu	lation using manufacturer sp	pecifications/other source			
Other	(Please specify)				
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Year Frequency of Total Cost of Practice Practice/Activity or # (incl. equipment and I of Installations			Estimated Reductions (Mcf/yr)	Value of Gas Saved (\$)	



Additional Program Accomplishments

The Natural Gas STAR Program will use any information entered here to recognize the efforts and achievements of outstanding partners.

Please include any additional information you would like to share about your company's participation in Natural Gas STAR. Examples may include:

- Activities to strengthen your program (e.g., training/education, innovative technologies or activities, pilot projects, employee incentive programs).
- Efforts to communicate your participation and successes (e.g., internal newsletters, press releases, company Web site).
- Participation in Natural Gas STAR program activities (e.g., contributions to case studies, presentation at annual workshop).

Additional Accomplishments: